

#2

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/883,394

DATE: 07/05/2001
TIME: 16:33:05

Input Set : A:\PTO.txt
Output Set: N:\CRF3\07032001\I883394.raw

ENTERED

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:
6 (i) APPLICANT: Imajo, Nobuko
7 Yamagata, Yukari
8 Katoh, Hideo
9 Satomura, Shinji
10 Nakamura, Kenji
12 (ii) TITLE OF INVENTION: POLYPEPTIDE AND PROCESS FOR MEASURING
13 LIVING BODY COMPONENTS USING THE SAME
15 (iii) NUMBER OF SEQUENCES: 23
17 (iv) CORRESPONDENCE ADDRESS:
18 (A) ADDRESSEE: ARMSTRONG, WESTERMAN, HATTORI, MCLELAND &
19 NAUGHTON
20 (B) STREET: 1725 K Street, Suite 1000
21 (C) CITY: Washington
22 (D) STATE: DC
23 (E) COUNTRY: USA
24 (F) ZIP: 20006
26 (v) COMPUTER READABLE FORM:
27 (A) MEDIUM TYPE: Floppy disk
28 (B) COMPUTER: IBM PC compatible
29 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
30 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
32 (vi) CURRENT APPLICATION DATA:
C--> 33 (A) APPLICATION NUMBER: US/09/883,394
C--> 34 (B) FILING DATE: 19-Jun-2001
35 (C) CLASSIFICATION:
41 (vii) PRIOR APPLICATION DATA:
38 (A) APPLICATION NUMBER: JP 07-203886
39 (B) FILING DATE: 18-JUL-1995
42 (A) APPLICATION NUMBER: JP 08-084770
43 (B) FILING DATE: 13-MAR-1996
45 (viii) ATTORNEY/AGENT INFORMATION:
47 (A) NAME: McLeland, Le-Nhung
48 (B) REGISTRATION NUMBER: 31,541
49 (C) REFERENCE/DOCKET NUMBER: 960587
51 (ix) TELECOMMUNICATION INFORMATION:
52 (A) TELEPHONE: 202-659-2930
53 (B) TELEFAX: 202-8870357
56 (2) INFORMATION FOR SEQ ID NO: 1:
58 (i) SEQUENCE CHARACTERISTICS:
59 (A) LENGTH: 7 amino acids
60 (B) TYPE: amino acid
61 (C) STRANDEDNESS:
62 (D) TOPOLOGY: linear
64 (ii) MOLECULE TYPE: peptide
67 (ix) FEATURE:

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68      (A) NAME/KEY: Modified-site
69      (B) LOCATION: 7
70      (D) OTHER INFORMATION: /product= "B-alanine"
73      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
75      Ala Ser Ser Ser Ser Ser Ala
76      1      5
78      (2) INFORMATION FOR SEQ ID NO: 2:
80      (i) SEQUENCE CHARACTERISTICS:
81      (A) LENGTH: 5 amino acids
82      (B) TYPE: amino acid
83      (C) STRANDEDNESS:
84      (D) TOPOLOGY: linear
86      (ii) MOLECULE TYPE: peptide
89      (ix) FEATURE:
90      (A) NAME/KEY: Modified-site
91      (B) LOCATION: 2..4
92      (D) OTHER INFORMATION: /product= "Sulfated Serine"
94      (ix) FEATURE:
95      (A) NAME/KEY: Modified-site
96      (B) LOCATION: 5
97      (D) OTHER INFORMATION: /product= "B-alanine"
100     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
W--> 102     Ala Xaa Xaa Xaa Ala
103     1      5
105     (2) INFORMATION FOR SEQ ID NO: 3:
107     (i) SEQUENCE CHARACTERISTICS:
108     (A) LENGTH: 7 amino acids
109     (B) TYPE: amino acid
110     (C) STRANDEDNESS:
111     (D) TOPOLOGY: linear
113     (ii) MOLECULE TYPE: peptide
116     (ix) FEATURE:
117     (A) NAME/KEY: Modified-site
118     (B) LOCATION: 2..6
119     (D) OTHER INFORMATION: /product= "Sulfated Serine"
121     (ix) FEATURE:
122     (A) NAME/KEY: Modified-site
123     (B) LOCATION: 7
124     (D) OTHER INFORMATION: /product= "B-alanine"
127     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 129     Ala Xaa Xaa Xaa Xaa Xaa Ala
130     1      5
132     (2) INFORMATION FOR SEQ ID NO: 4:
134     (i) SEQUENCE CHARACTERISTICS:
135     (A) LENGTH: 10 amino acids
136     (B) TYPE: amino acid
137     (C) STRANDEDNESS:
138     (D) TOPOLOGY: linear
140     (ii) MOLECULE TYPE: peptide

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143      (ix) FEATURE:
144          (A) NAME/KEY: Modified-site
145          (B) LOCATION: 2..9
146          (D) OTHER INFORMATION: /product= "Sulfated Serine"
148      (ix) FEATURE:
149          (A) NAME/KEY: Modified-site
150          (B) LOCATION: 10
151          (D) OTHER INFORMATION: /product= "B-alanine"
154      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 156      Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ala
157          1          5          10
159      (2) INFORMATION FOR SEQ ID NO: 5:
161          (i) SEQUENCE CHARACTERISTICS:
162              (A) LENGTH: 9 amino acids
163              (B) TYPE: amino acid
164              (C) STRANDEDNESS:
165              (D) TOPOLOGY: linear
167          (ii) MOLECULE TYPE: peptide
170      (ix) FEATURE:
171          (A) NAME/KEY: Modified-site
172          (B) LOCATION: 1..8
173          (D) OTHER INFORMATION: /product= "Sulfated Serine"
175      (ix) FEATURE:
176          (A) NAME/KEY: Modified-site
177          (B) LOCATION: 9
178          (D) OTHER INFORMATION: /product= "B-alanine"
181      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 183      Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ala
184          1          5
186      (2) INFORMATION FOR SEQ ID NO: 6:
188          (i) SEQUENCE CHARACTERISTICS:
189              (A) LENGTH: 13 amino acids
190              (B) TYPE: amino acid
191              (C) STRANDEDNESS:
192              (D) TOPOLOGY: linear
194          (ii) MOLECULE TYPE: peptide
197      (ix) FEATURE:
198          (A) NAME/KEY: Modified-site
199          (B) LOCATION: 4..13
200          (D) OTHER INFORMATION: /product= "Sulfated Serine"
203      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
W--> 205      Ala Ala Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
206          1          5          10
208      (2) INFORMATION FOR SEQ ID NO: 7:
210          (i) SEQUENCE CHARACTERISTICS:
211              (A) LENGTH: 22 amino acids
212              (B) TYPE: amino acid
213              (C) STRANDEDNESS:
214              (D) TOPOLOGY: linear

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216      (ii) MOLECULE TYPE: peptide
219      (ix) FEATURE:
220          (A) NAME/KEY: Modified-site
221          (B) LOCATION: 2..21
222          (D) OTHER INFORMATION: /product= "Sulfated Serine"
224      (ix) FEATURE:
225          (A) NAME/KEY: Modified-site
226          (B) LOCATION: 22
227          (D) OTHER INFORMATION: /product= "B-alanine"
230      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
W--> 232      Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
233          1          5          10          15
W--> 235      Xaa Xaa Xaa Xaa Xaa Ala
236          20
238 (2) INFORMATION FOR SEQ ID NO: 8:
240      (i) SEQUENCE CHARACTERISTICS:
241          (A) LENGTH: 13 amino acids
242          (B) TYPE: amino acid
243          (C) STRANDEDNESS:
244          (D) TOPOLOGY: linear
246      (ii) MOLECULE TYPE: peptide
249      (ix) FEATURE:
250          (A) NAME/KEY: Modified-site
251          (B) LOCATION: 2..4
252          (D) OTHER INFORMATION: /product= "Sulfated Serine"
254      (ix) FEATURE:
255          (A) NAME/KEY: Modified-site
256          (B) LOCATION: 5
257          (D) OTHER INFORMATION: /product= "B-alanine"
259      (ix) FEATURE:
260          (A) NAME/KEY: Modified-site
261          (B) LOCATION: 6..8
262          (D) OTHER INFORMATION: /product= "Sulfated Serine"
264      (ix) FEATURE:
265          (A) NAME/KEY: Modified-site
266          (B) LOCATION: 9
267          (D) OTHER INFORMATION: /product= "B-alanine"
269      (ix) FEATURE:
270          (A) NAME/KEY: Modified-site
271          (B) LOCATION: 10..12
272          (D) OTHER INFORMATION: /product= "Sulfated Serine"
274      (ix) FEATURE:
275          (A) NAME/KEY: Modified-site
276          (B) LOCATION: 13
277          (D) OTHER INFORMATION: /product= "B-alanine"
280      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
W--> 282      Ala Xaa Xaa Xaa Ala Xaa Xaa Xaa Ala Xaa Xaa Xaa Ala
283          1          5          10
285 (2) INFORMATION FOR SEQ ID NO: 9:

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Input Set : A:\PTO.txt

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287      (i) SEQUENCE CHARACTERISTICS:
288          (A) LENGTH: 10 amino acids
289          (B) TYPE: amino acid
290          (C) STRANDEDNESS:
291          (D) TOPOLOGY: linear
293      (ii) MOLECULE TYPE: peptide
296      (ix) FEATURE:
297          (A) NAME/KEY: Modified-site
298          (B) LOCATION: 2..3
299          (D) OTHER INFORMATION: /product= "Sulfated Serine"
301      (ix) FEATURE:
302          (A) NAME/KEY: Modified-site
303          (B) LOCATION: 4
304          (D) OTHER INFORMATION: /product= "B-alanine"
306      (ix) FEATURE:
307          (A) NAME/KEY: Modified-site
308          (B) LOCATION: 5..6
309          (D) OTHER INFORMATION: /product= "Sulfated Serine"
311      (ix) FEATURE:
312          (A) NAME/KEY: Modified-site
313          (B) LOCATION: 7
314          (D) OTHER INFORMATION: /product= "B-alanine"
316      (ix) FEATURE:
317          (A) NAME/KEY: Modified-site
318          (B) LOCATION: 8..9
319          (D) OTHER INFORMATION: /product= "Sulfated Serine"
321      (ix) FEATURE:
322          (A) NAME/KEY: Modified-site
323          (B) LOCATION: 10
324          (D) OTHER INFORMATION: /product= "B-alanine"
327      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
W--> 329      Ala Xaa Xaa Ala Xaa Xaa Ala Xaa Xaa Ala
330          1          5          10
332 (2) INFORMATION FOR SEQ ID NO: 10:
334      (i) SEQUENCE CHARACTERISTICS:
335          (A) LENGTH: 5 amino acids
336          (B) TYPE: amino acid
337          (C) STRANDEDNESS:
338          (D) TOPOLOGY: linear
340      (ii) MOLECULE TYPE: peptide
343      (ix) FEATURE:
344          (A) NAME/KEY: Modified-site
345          (B) LOCATION: 2..4
346          (D) OTHER INFORMATION: /product= "Sulfated Tyrosine"
348      (ix) FEATURE:
349          (A) NAME/KEY: Modified-site
350          (B) LOCATION: 5
351          (D) OTHER INFORMATION: /product= "B-alanine"
354      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/883,394

DATE: 07/05/2001

TIME: 16:33:06

Input Set : A:\PTO.txt

Output Set: N:\CRF3\07032001\I883394.raw

L:33 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:34 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22